

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Please amend the claims as follows:

1. (Currently Amended) A method implemented within a distributed build system comprising:

scheduling jobs for a build process to execute in parallel across a plurality of nodes;

transmitting a first source file from a program build file repository to a first node, the first node using the source file to generate a first target file identified in the build process;

receiving a request at a file tracking module for the first source file from a second node; and

the file tracking module redirecting the second node to retrieve the first source file directly from the first node rather than from the program build file repository, the second node using the first source file to generate a second target file identified in the build process.

2. (Currently Amended) The method as in claim 1 further comprising:

the file tracking module updating file location data stored in a central build module to indicate that the first source file is stored at the first node and the second node.

3. (Currently Amended) The method as in claim 2 further comprising:

receiving a request at the file tracking module for the first source file from a third node;

choosing between the first node and the second node based on a node prioritization policy; and

the file tracking module redirecting the third node to either the first node or the second node based on the results of the node prioritization policy.

4. (Original) The method as in claim 3 wherein the node prioritization policy comprises assigning a relatively higher priority to nodes which have requested a source file more recently than other nodes, the method further comprising:

redirecting the third node to retrieve the first source file from the second node.

5. (Currently Amended) The method as in claim 3 further comprising:

redirecting the third node to retrieve the first source file from the second node based on the results of the node prioritization policy;

the file tracking module determining that the second node is busy; and

as a result of the determination that the second node is busy, redirecting the third node to retrieve the first source file from the first node.

6. (Currently Amended) The method as in claim 5 wherein the second node being busy comprises the second node transferring a second source file to a fourth node, wherein the second source file is

different than the first source file.

7. (Original) The method as in claim 3 further comprising:
determining that the first node and/or the second node are busy
and/or do not contain a copy of the first source file; and
redirecting the third node to retrieve the first source file from the
program build file repository.

8. (Original) The method as in claim 1 further comprising:
transmitting a copy of the first source file from the first node to the
second node.

9. (Currently Amended) The method as in claim 8 wherein the
first node copies a portion of begins to copy the first source file that has
been received at the first node to the second node prior to the first node
fully receiving all portions of the first source file from the program build file
repository.

10. (Currently Amended) A system comprising:
a build machine including,
a program build file repository to store source files used during
a build process;
a central build module to schedule jobs for the build process to
execute in parallel across a plurality of nodes and to transmit a first source
file from the program build file repository to a first node, the first node
using the first source file to generate a first target file identified in the build
process;

a file tracking module to receive a request for the first source file from a second node, and to redirect the second node to retrieve the first source file directly from the first node rather than from the program build file repository, the second node using the first source file to generate a second target file identified in the build process.

11. (Currently Amended) The system as in claim 10 further comprising:

the central build module including file location data to indicate that the first source file is stored at the first node and the second node.

12. (Currently Amended) The system as in claim 10 wherein, responsive to the file tracking module receiving a request for the first source file from a third node, the file tracking module chooses to choose between the first node and the second node based on a node prioritization policy and redirects to redirect the third node to either the first node or the second node based on the results of the node prioritization policy.

13. (Currently Amended) The system as in claim 12 wherein the node prioritization policy comprises assigning a relatively higher priority to nodes which have requested a source file more recently than other nodes, and wherein the file tracking module redirects to redirect the third node to retrieve the first source file from the second node.

14. (Original) The system as in claim 12 wherein the file tracking module redirects the third node to retrieve the first source file from the

second node based on the results of the node prioritization policy; determines that the second node is busy; and as a result of the determination that the second node is busy, redirects the third node to retrieve the first source file from the first node.

15. (Currently Amended) The system as in claim 14 wherein the second node being busy comprises the second node transferring a second source file to a fourth node, wherein the second source file is different than the first source file.

16. The system as in claim 12 wherein the file transfer module determines that the first node and/or the second node are busy and/or do not contain a copy of the first source file; and responsively redirects the third node to retrieve the first source file from the program build file repository.

17. (Currently Amended) The system as in claim 10 wherein the first node copies a portion of begins to copy the first source file that has been received at the first node to the second node prior to the first node fully receiving all portions of the first source file from the program build file repository.

18. (Currently Amended) A system comprising:
a build machine including,
program build file storage means to store source files used during a build process;
central build means to schedule jobs for the build process to execute in parallel across a plurality of nodes and to transmit a first source

file from the program build file repository to a first node, the first node using the first source file to generate a first target file identified in the build process;

file tracking means to receive a request for the first source file from a second node, and to redirect the second node to retrieve the first source file directly from the first node rather than from the program build file repository, the second node using the first source file to generate a second target file identified in the build process.

19. (Original) The system as in claim 18 further comprising:
file location storage means to indicate that the first source file is stored at the first node and the second node.

20. (Currently Amended) The system as in claim 18 wherein, responsive to the file tracking means receiving a request for the first source file from a third node, the file tracking means chooses between the first node and the second node based on a node prioritization policy and redirects the third node to either the first node or the second node based on the results of the node prioritization policy.

21. (Original) The system as in claim 20 wherein the node prioritization policy comprises assigning a relatively higher priority to nodes which have requested a source file more recently than other nodes, and wherein the file tracking means redirects the third node to retrieve the first source file from the second node.

22. (Original) The system as in claim 20 wherein the file tracking means redirects the third node to retrieve the first source file from the

second node based on the results of the node prioritization policy; determines that the second node is busy; and as a result of the determination that the second node is busy, redirects the third node to retrieve the first source file from the first node.

23. (Currently Amended) The system as in claim 22 wherein the second node being busy comprises the second node transferring a second source file to a fourth node, wherein the second source file is different than the first source file.

24. (Original) The system as in claim 20 wherein the file transfer means determines that the first node and/or the second node are busy and/or do not contain a copy of the first source file; and responsively redirects the third node to retrieve the first source file from the program build file storage means.

25. (Currently Amended) The system as in claim 18 wherein the first node copies a portion of begins to copy the first source file that has been received at the first node to the second node prior to the first node fully receiving all portions of the first source file from the program build file storage means.